



CCTV Inspection Report

**Gwersyllt Park Cricket Club
The Park
Gwersyllt
Wrexham
LL11 4DX**



Metro Rod Deeside

Unit 27, Drome Road, Deeside Industrial Park, Flintshire, CH5 2NY
Tel: 01244 288 809

Job Number 399040	Surveyed by (Operator) Jordan Jones	Base Unit X7F9YPJU00	Date 18/05/2022
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Client Details:

Gwersyllt Park Cricket Club

Site Details:

Gwersyllt Park Cricket Club
The Park
Gwersyllt
Wrexham
LL11 4DX

Contractor Details:

Metro Rod (Deeside)
Unit 27, Drome Road,
Deeside Industrial Park
Flintshire
CH5 2NY

Office Contact Number: 01244 288 809

Purpose of Survey:

Job Number 399040	Surveyed by (Operator) Jordan Jones	Base Unit X7F9YPJU00	Date 18/05/2022
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Main Sections

Job Number 399040	Surveyed by (Operator) Jordan Jones	Base Unit X7F9YPJU00	Date 18/05/2022
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No.	US MH	DS MH	Date	Road	Material	m
1	MH.3	OUTFALL	18/05/2022	Gwersyllt Park Cricket Club The Park Gwersyllt Wrexham LL11 4DX	Vitrified clay	83.98
2	MH.1	MH.3	18/05/2022	Gwersyllt Park Cricket Club The Park Gwersyllt Wrexham LL11 4DX	Vitrified clay	14.59

Pipe size: 225 = 118.98m

All sections = 118.98m

Surveyed by (Operator) Jordan Jones	Job Number 399040	Pipe Length Reference(PLR) MH.3 X	Date 18/05/2022	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 2/3	Base Unit X7F9YPJUOO	Section Number 1

Road Gwersyllt Park Cricket Club The Park Gwersyllt Wrexham LL11 4DX Place Location	Ground Surface Grass Code List Drain and Sewer Codes (5th Edition) Location Details
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Shape/Size 225mm Material Vitrified clay Duty Foul	Start MH MH.3 End MH OUTFALL Total length 83.98 metres
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Scale 1:4.41 Direction Downstream
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Start Node Ref:MH.3 | I/L : metres | Depth: 2.03 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference MH.3	6393206	Comment / 0
0.00	WL	Water level 5% height/diameter	6393207	Comment / 0
1.07	RFJ	Roots fine at joint	6395172	Service / 2
1.58	RFJ	Roots fine at joint	6395173	Service / 2
2.42	RFJ	Roots fine at joint	6395177	Service / 2
4.42	RFJ	Roots fine at joint	6395180	Service / 2
6.34	RFJ	Roots fine at joint	6395184	Service / 2
7.34	RFJ	Roots fine at joint	6395186	Service / 2
10.03	RFJ	Roots fine at joint	6395188	Service / 2
17.66	WL	Water level 15% height/diameter	6395191	Comment / 0
22.82	CM	Cracks multiple from 12 to 12 o'clock	6395195	Structural / 3
23.83	RFJ	Roots fine at joint	6395196	Service / 2
26.37	WL	Water level 5% height/diameter	6395198	Comment / 0
41.44	WL	Water level 15% height/diameter	6395205	Comment / 0
46.16	WL	Water level 5% height/diameter	6395219	Comment / 0
55.87	WL	Water level 15% height/diameter	6395225	Comment / 0
56.68	CM	Cracks multiple from 12 to 4 o'clock	6395220	Structural / 3
67.59	WL	Water level 5% height/diameter	No Image	Comment / 0
83.98	MHF	Finish node type, manhole, reference OUTFALL	6393254	Comment / 0

End Node Ref:OUTFALL | I/L : metres

Job Number 399040	Surveyed by (Operator) Jordan Jones	Base Unit X7F9YPJU00	Date 18/05/2022
From: MH.3 / To: OUTFALL Size: 225  10:56:51 18-MAY-22 1.07m Roots fine at joint From: MH.3 / To: OUTFALL Size: 225  10:56:54 18-MAY-22 1.58m Roots fine at joint			
From: MH.3 / To: OUTFALL Size: 225  10:56:59 18-MAY-22 2.42m Roots fine at joint From: MH.3 / To: OUTFALL Size: 225  10:57:07 18-MAY-22 4.42m Roots fine at joint			
From: MH.3 / To: OUTFALL Size: 225  10:57:16 18-MAY-22 6.34m Roots fine at joint From: MH.3 / To: OUTFALL Size: 225  10:57:20 18-MAY-22 7.34m Roots fine at joint			

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Roots fine at joint



Cracks multiple from 12 to 12 o'clock



Roots fine at joint



Cracks multiple from 12 to 4 o'clock

Surveyed by (Operator) Jordan Jones	Job Number 399040	Pipe Length Reference(PLR) MH.1 X	Date 18/05/2022	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit X7F9YPJUOO	Section Number 2

Road Gwersyllt Park Cricket Club The Park Gwersyllt Wrexham LL11 4DX Place Location	Ground Surface Grass Code List Drain and Sewer Codes (5th Edition) Location Details
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Shape/Size 225mm Material Vitrified clay Duty Foul	Start MH MH.3 End MH MH.1 Total length 35 metres
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Scale 1:1.84 Direction Upstream
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Start Node Ref:MH.3 | I/L : metres | Depth: 2.03 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference MH.3	6393406	Comment / 0
0.00	WL	Water level 0% height/diameter	6393408	Comment / 0
3.91	WL	Water level 30% height/diameter	6395297	Comment / 0
7.45	CUW (S1)	Loss of vision, camera under water, Start	6395299	Comment / 0
14.59	SA	Survey abandoned - Remark: NO VISUAL	6393425	Comment / 0

End Node Ref:MH.1 | I/L : metres | Depth: 1.77 metres

Job Number 399040	Surveyed by (Operator) Jordan Jones	Base Unit X7F9YPJU00	Date 18/05/2022
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From: MH.3 / To: MH.1
Size: 225



Survey abandoned - Remark: NO VISUAL

Structural Defects (SRM 4)

Job Number 399040				Surveyed by (Operator) Jordan Jones			Base Unit X7F9YPJU00			Date 18/05/2022			
No.	PLR	Dir.	Use	Shape/Size	Date	Mat.	Total Length	Inspection Length	Cat.	Peak Score	Grade	Mean Score	Total Score
1	MH.3 X	D	F	225	18/05/2022	Vitrified clay	83.98 metres	83.98		40	3	0.95	80
2	MH.1 X	U	F	225	18/05/2022	Vitrified clay	35 metres	14.59		0	1	0	0

Service Defects (SRM 4)

Job Number 399040				Surveyed by (Operator) Jordan Jones			Base Unit X7F9YPJU00			Date 18/05/2022			
No.	PLR	Dir.	Use	Shape/Size	Date	Mat.	Total Length	Inspection Length	Cat.	Peak Score	Grade	Mean Score	Total Score
1	MH.3 X	D	F	225	18/05/2022	Vitrified clay	83.98 metres	83.98		1	2	0.10	8
2	MH.1 X	U	F	225	18/05/2022	Vitrified clay	35 metres	14.59		0	1	0	0

Job Number 399040	Surveyed by (Operator) Jordan Jones	Base Unit X7F9YPJU00	Date 18/05/2022
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Job Information

Total Distance Surveyed: **118.98 metres**
Engineer: **Jordan Jones**
Number of Surveys: **2**
Number of Surveys grade 4 or above: **0**

Section 1 Overview (18/05/2022)

Manholes: **MH.3 to OUTFALL**
Pipe Length: **83.98 metres**
Structural Grade: **3**
Service Grade: **2**
Material: **Vitrified clay**
Pipe Size: **225mm**
Use: **Foul**

Section 2 Overview (18/05/2022)

Manholes: **MH.3 to MH.1**
Pipe Length: **35 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Vitrified clay**
Pipe Size: **225mm**
Use: **Foul**

Job Number 399040	Surveyed by (Operator) Jordan Jones	Base Unit X7F9YPJU00	Date 18/05/2022
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STRUCTURAL DEFECTS

Grade 3; Best practice suggests consideration to be given to repair in the medium term.

Grade 4; Best practice suggests consideration to be given to repair to avoid potential collapse.

Grade 5; Best practice suggests this pipe is at risk of collapse at any time; urgent consideration should be given to repair to avoid collapse.

Structural Defects			
Section	PLR	Grade	Fault Description
1	MH.3 X	3	Cracks multiple from 12 to 12 o'clock
			Cracks multiple from 12 to 4 o'clock

SERVICE / OPERATIONAL DEFECTS

Grade 3; Best practice suggests consideration to be given to maintenance activities in the medium term.

Grade 4; Best practice suggests consideration to be given to maintenance to avoid potential blockage.

Grade 5; Best practice suggests this pipe is at risk of backing up / causing flooding.

Service Defects			
Section	PLR	Grade	Fault Description
No Service Defects at Grade 3, 4 or 5 found on this survey.			

ABANDONED SURVEYS

Camera no access			
Section	PLR	Fault Description	
2	MH.1 X	Survey abandoned - Remark: NO VISUAL	

INFORMATION

These summaries are based on the SRM grading from the WRC

Job Number 399040	Surveyed by (Operator) Jordan Jones	Base Unit X7F9YPJU00	Date 18/05/2022
1: Occurences without damage. For example, laterals, joints,etc. NO DEFECTS WERE DETECTED.			
2: Constructional deficiencies or occurences with insignificant influence to tightness, hydraulic or static pressure or pipe: Eg. wide joints, badly torched intakes, minor deformation of plastic pipes, minor erosions etc. REHABILITATION CAN BE SCHEDULED LONG-TERM.			
3: Constructional deficiencies diminishing static, hydraulic and tightness: Eg. untorched intakes, cracks, minor drainage obstructions such as calcite build ups, protruding laterals, minor damages to pipe wall, individual root penetrations, corroded pipe walls etc. REHABILITATION IS NECESSARY MEDIUM-TERM WITHIN 3 TO 5 YEARS.			
4: Constructional damages with insufficient static safety, hydraulic or tightness: Eg. axial/radial pipe bursts, pipe deformations, visually noticeable infiltration/exfiltration, cavities, in pipe-wall, severe protruding, laterals severe root penetrations, severe corrosion of pipe wall etc. REHABILITATION PROCEDURE IS URGENT AND HAS TO BE COMPLETED WITHIN 1 TO 2 YEARS. NECESSITY FOR EMERGENCY OPERATIONS HAS TO BE EXAMINED.			
5: Pipe is already or will shortly be impermeable: Eg. collapsed pipe, deeply rooted pipe or other drainage obstructions. Pipe loses water or danger of backwater in basements etc. REHABILITATION IS URGENT AND SHORT-TERM. IN ORDER TO PREVENT FURTHER DAMAGE, NECESSARY TEMPORARY SPOT REPAIR HAS TO BE CONDUCTED ON EMERGENCY LEVEL.			